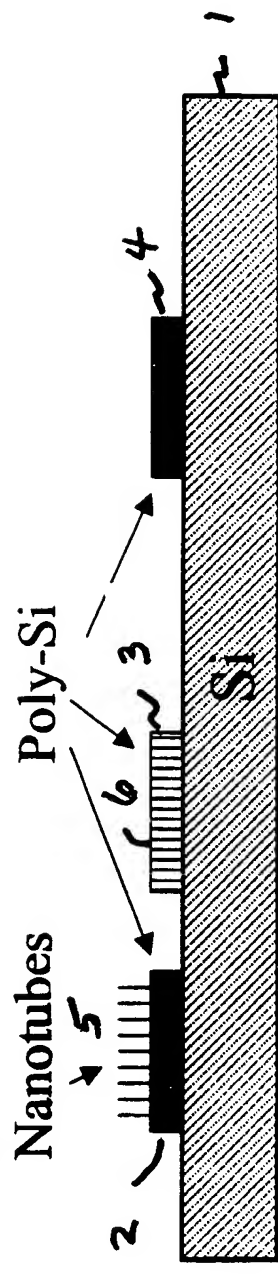


MEMS Based On-Chip Microwave Amplifiers

(a) Nanotube growth before releasing



(b) After releasing and locking - microwave triode design

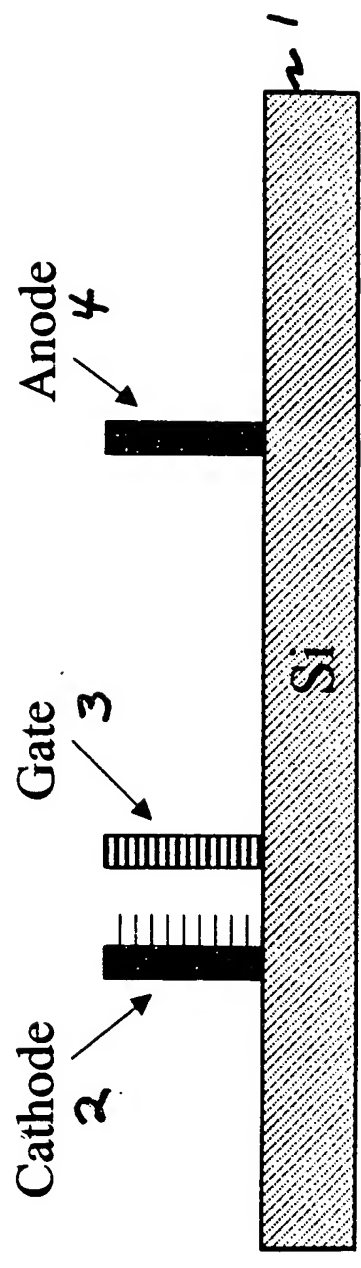


Fig. 1 (*Prior Art*)

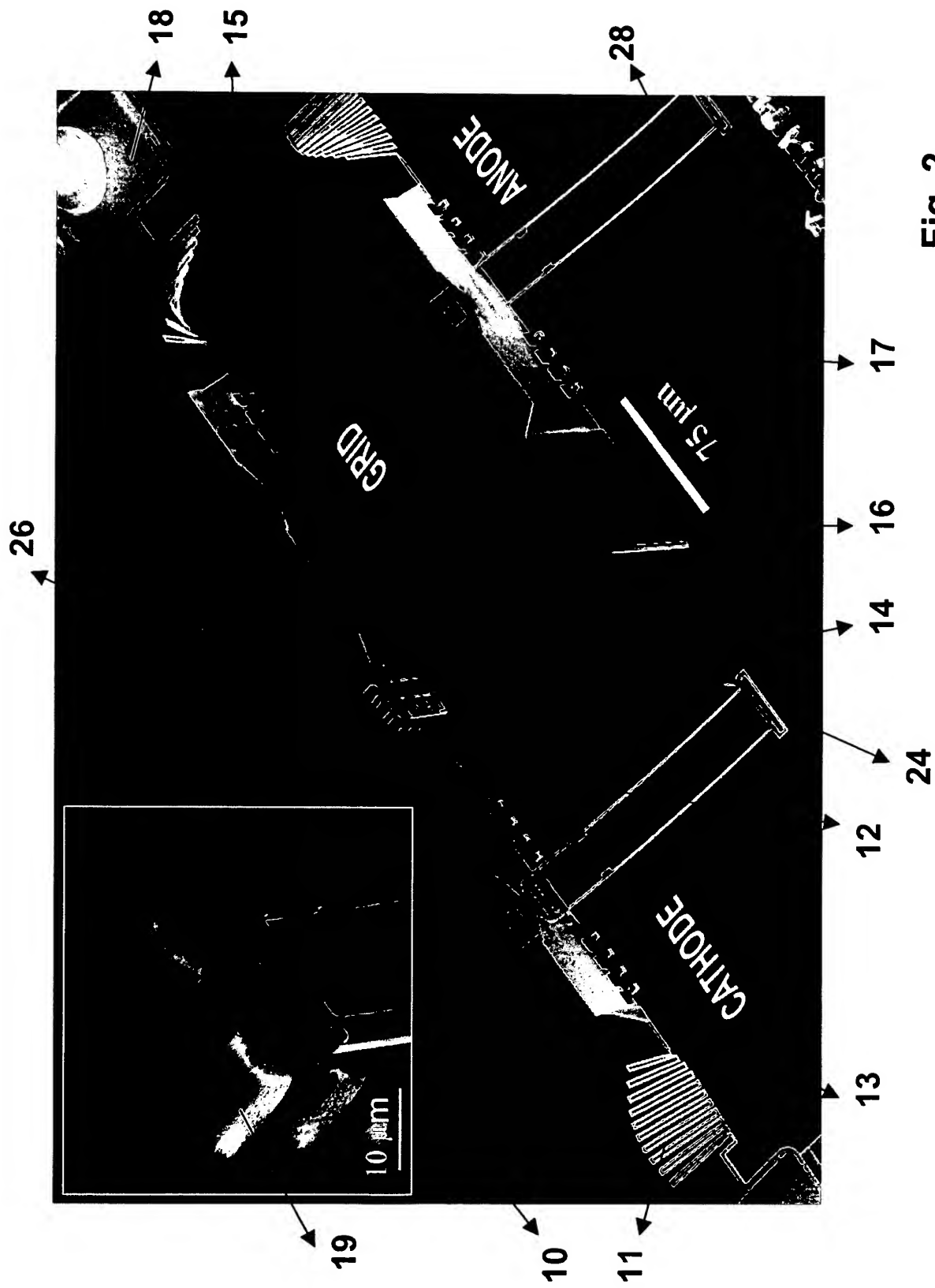


Fig. 2

Gap-Adjustable Cold Cathode MEMS Structure

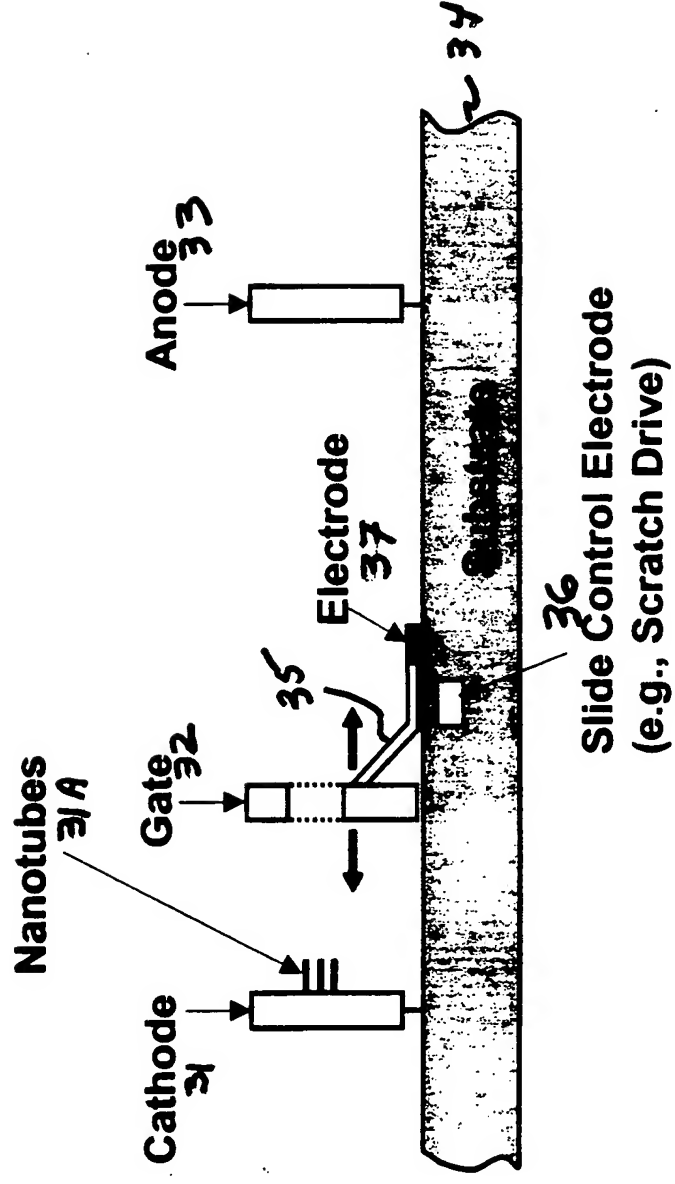


Fig. 3(a)

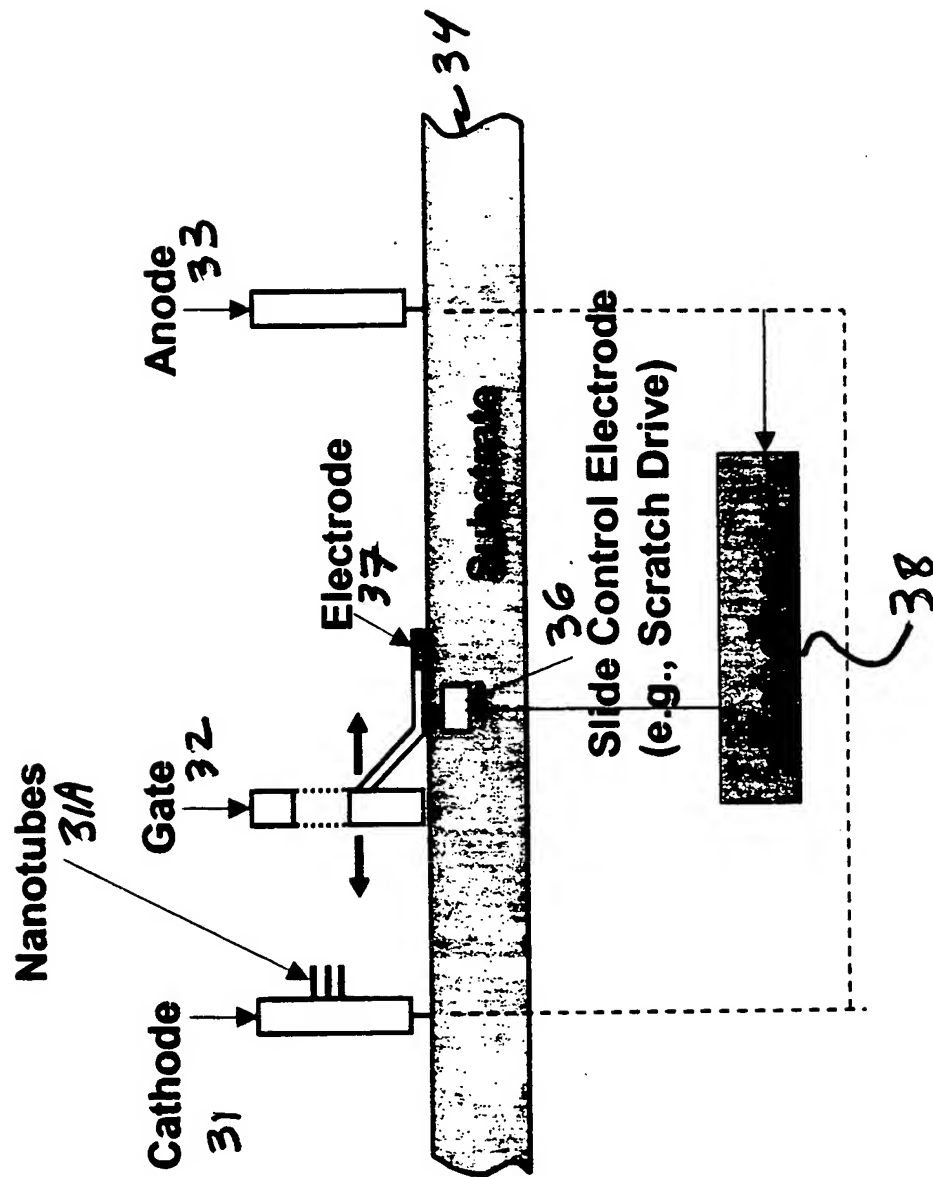


Fig.3(b)

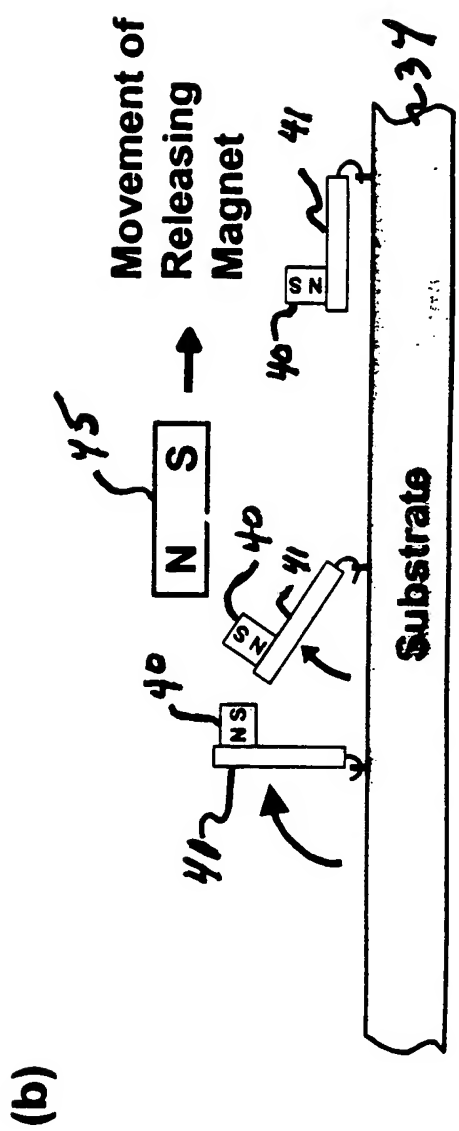
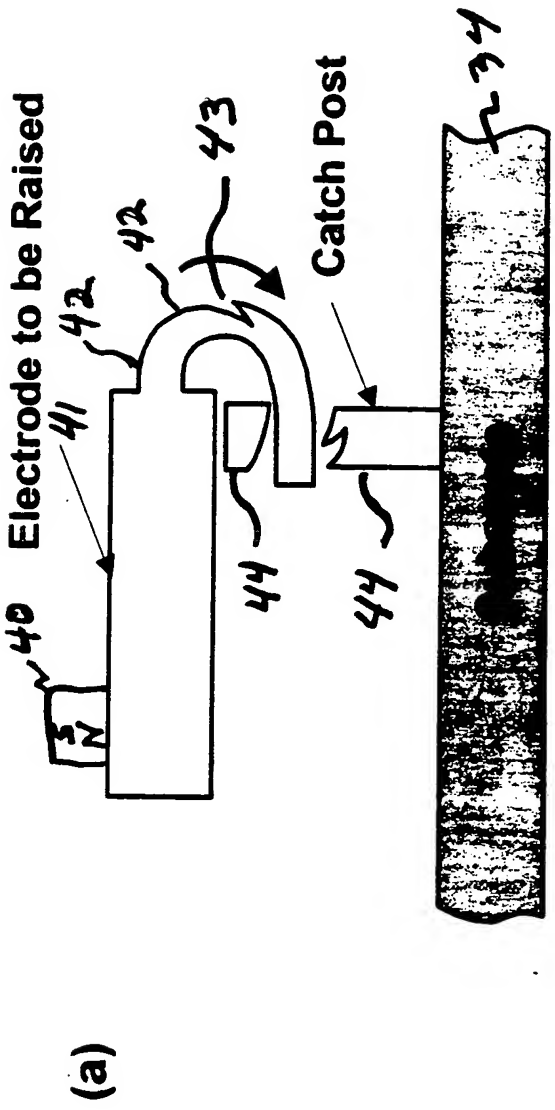


Fig. 4